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Meeting between E. I. du Pont De Nemours & Company Inc. and the Environmental Protection Agency for the Dupont Newport site

Location: EPA Region III
841 Chestnut Building
Philadelphia, PA 19107

Date: June 14, 1988

Time: 10:30 AM

Agenda

I. Introduction - Gerardo R. Amador

II. Bioassessment - Alyce T. Fritz

III. Quality Assurance Project Plan - Diann Sims ok

IV. Soil Gas Survey

V. Ground Radiometric Survey

VI. Radon Gas Survey

ORIGINAL

JACOBS ENGINEERING GROUP INC.
ENVIRONMENTAL SYSTEMS DIVISION
4848 LOOP CENTRAL DRIVE • HOUSTON, TEXAS 77081• (713) 669-2200

June 8, 1988

Mr. Gerardo Armador
Environmental Protection Agency
Region III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

Re: Letter Report on RI/FS Work Plan
TES III Contract No. 68-01-7351
Project No. 05-B87700
Work Assignment No C03001
Du Pont Newport Site, Region III

Dear Gerardo:

Please find enclosed Jacobs review and comment on the revised RI/FS Work Plan.

This review also includes the Quality Assurance Project Plan, the Health and Safety Plan and Appendices F thru J of Volume 2 of the RI/FS Work Plan.

Please feel free to contact me if this format does not meet your requirements.

Sincerely yours,

JACOBS ENGINEERING GROUP INC.

Paul Fikac

Paul Fikac
Region VI
Work Assignment Manager

PF/mjo

Enclosures

cc: M. Warner
J. McKnight
P. Fikac
File

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: Review of Woodward - Clyde's Draft Borehole and Surface Geophysical Report for the DuPont - Newport Site

DATE: MAY 25 1988

FROM: Mindi Snoparsky, Geologist MS
Site Support Section (3HW26)

TO: Gerry Amador, Regional Project Manager
Delmarva/DC/WV CRES (3HW16)

Surface Geophysics

The use of the resistivity survey for delineation of wastes is questionable. An assumption was made concerning the conductive nature of the wastes on page 2 even though it was clearly stated on the next page that the electrical parameters of the wastes are unknown. Additionally, no distinction was made between earth materials of low resistivity, such as clays, and the theoretical conductive plume. All previously gathered data, such as geologic information and water quality data, should have been utilized in order for the survey and the geoelectric section to be of value.

The results from the EM-31 survey should be included. The average of two readings may be inaccurate if one of the readings exhibited a very high or negative value. Additionally, both vertical and horizontal dipoles should have been used as they both have different responses to true earth conductivity.

Borehole Geophysics

The logs employed at the site were appropriate for the investigation. Inclusion of the following suggestions will increase the usefulness of the report.

1. Description of calibration procedures should indicate whether the Woodward-Clyde test borehole was of similar diameter and geologic environment to the DuPont-Newport site wells.

2. The supporting geologic information (description from the split spoons) should be included in the report as an Appendix.

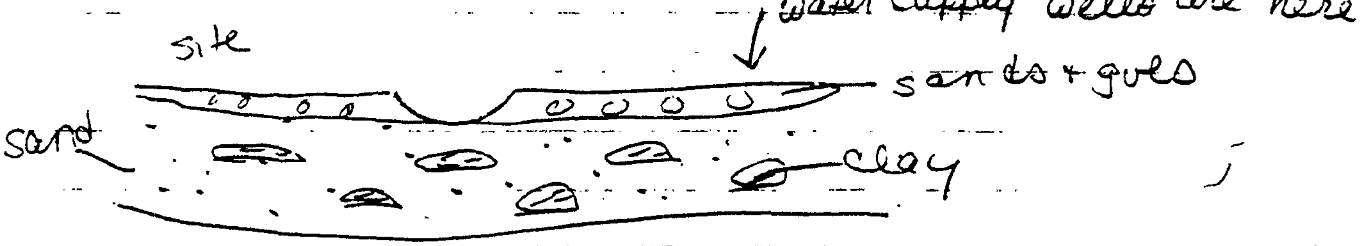
3. The responses on the different logs that are interpreted as characteristic of the hydrostratigraphic units should be described in order for the general reader to clearly understand how the units were picked.

4. In past discussions Woodward-Clyde indicated that the Delaware Geological Survey assisted in the interpretation of the logs. This information should be included in the report.

ORIGINAL

Du Pont - Newport Notes. Mindi Snoparsky

1) HRS AOC: Columbia } within 3 miles of
Potomac } site on both sides of
Christina River



QA'ed by Mike in Fall of 1986

2) Typical geology in coastal plain - DS+G is similar (will be RODed end of FY 88)

3) Comments by DuPont - PRP
a) River is hydraulic barrier ∴ water supply wells & ass.t population cannot be counted, lessening score to below 28.5
(1) This reasoning is flawed. River does not cut through AOC + gradient is not considered in the HRS
b) Data acquired by DuPont in 1987 — at the same time negotiations were ongoing for hydrogeo studies for workplan were used in order to indicate that SANDS were laterally discontinuous & ~~people~~ on aquifer at wells were not drawing from ~~same~~ ~~connected to~~ aquifer on-site
1) Their data is inconclusive off site
2) Mike's check w/DGS indicated the aquifers may/~~may not be~~ connected off site ∴ Mike is great for no interconnection

3) Mike wants more info to substantiate this - the type of info requested is more like RI-type information and not normally acquired for an HRS

* Mike has incomplete understanding of the RI & Enforcement process

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
841 Chestnut Building
Philadelphia, Pennsylvania 19107

SUBJECT: DuPont-Newport Site, Work Plan

DATE: JUN 22 1988

FROM: Eugene Dennis, Geologist
SARA Special Sites Section (3HW17)

TO: Gerardo Amador
CERCLA Remedial Enforcement (3HW16)

As you requested, I have reviewed the Work Plan-RI/FS report for the DuPont-Newport Site, in Newport Delaware. Based on this review I have generated the following comments which were discussed during the meeting with DuPont on May 27, 1988.

The report format should be presented in manner which allows for the reader to comprehend its content without having to page through volumes of appendeces. The objectives of the study should be clear and concise. Pertinent maps, figures and tables should be included in the body of the report and capable of supporting findings and/or conclusions made in the report.

Ground water monitoring at the perimeter of the south disposal site is limited to one well at the south-west and south-east corners and a cluster arrangement of wells (4A, 4B and 4C) along the western edge, adjacent to the Christina River. These wells are at least 400 feet apart and exceed 800 feet along the southern perimeter. With the exception of MW-15, which is inside the boundary of the site, the entire northwestern and eastern perimeter of the south disposal site is without groundwater monitoring. Therefore, it is recommended that additional groundwater monitoring wells be installed at the perimeter of the south disposal site. These wells should be strategically placed in areas that will intercept the radiant groundwater flow pattern leaving the area, particularly along the eastern and northwestern boundaries, Also, data from the report indicates that concentrations for certain parameters (i.e., Cr, Cd, Pb, Ba, Ni) decrease with depth at the cluster wells 5A, 5B, 5C, 6A, 6B, 6C and 7A, 7B, 7C located to the south of the south disposal site. It is therefore suggested that cluster wells, capable of determining groundwater quality in the shallow, intermediate and deep aquifers, be installed at the perimeter well locations discussed above.

If you have any questions regarding these comments,, please contact me at extension 7-8555.